

## Abstract of the Disclosure

5 A customer premises gateway including a traffic analyzer with usage tracking to detect fraud such as in the case of masquerading by a router attached to the gateway, and a head-end server including fraud detection and a billing system for providing a maximum bandwidth specifier to the gateway. In the case of Internet Protocol, the traffic and fraud analysis may utilize the address:port combination and also the traffic type specifier to detect fraud and masquerading and to control bandwidth.